PATENT APPLICATION FEE DETERMINATION RECORD Effective January 1, 2003 Q659474 CLAIMS AS FILED - PART I SMALL ENTITY OTHER THAN (Column 1) (Column 2) TYPE [SMALL ENTITY TOTAL CLAIMS OR s Q RATE FEE RATE FEE FOR NUMBER FILED NUMBER EXTRA BASIC FEE 375.00 BASIC FEE 750.00 TOTAL CHARGEABLE CLAIMS O minus 20= 0 X\$ 9= X\$18= 89 OR INDEPENDENT CLAIMS minus 3 = X42= MULTIPLE DEPENDENT CLAIM PRESENT X84= OR +140= * If the difference in column 1 is less than zero, enter "0" in column 2 +280= OR TOTAL OR TOTAL 19 48 CLAIMS AS AMENDED - PART II OTHER THAN (Column 1) (Column 2) SMALL ENTITY (Column 3) OR SMALL ENTITY CLAIMS HIGHEST AMENDMENTA REMAINING NUMBER ADDI-PRESENT ADDI-AFTER PREVIOUSLY RATE TIONAL **EXTRA** MENDMENT RATE TIONAL PAID FOR FEE FEE Total Ø Minus 30 X\$ 8= .X\$18= OR Independent Minus *** FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM X42= X84= OR +140= +280= OR 8-405 TOTAL OR ADDIT. FEE ADDIT. FEE (Column 1) (Column 2) (Column 3) CLAIMS 8 HIGHES REMAINING ENT NUMBER ADDI-PRESENT ADDI-**AFTER** PREVIOUSLY RATE EXTRA TIONAL AMENDMENT RATE TIONAL PAID FOR FEE Total FEE 30 Minus X\$ 9= OR X\$18= Independent Minus FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM X42= X84= OR +140= +280= OR TOTAL TOTAL OR ADDIT, FEE ADDIT, FEE (Column 1) (Column 2) (Column 3) CLAIMS HIGHEST Ç REMAINING NUMBER ENDMENT ADDI-PRESENT AFTER ADDI-PREVIOUSLY EXTRA RATE TIONAL AMENDMENT TIONAL RATE PAID FOR FEE Total FEE Minus X\$ 9= Independent X\$18= OR Minus -FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM X42= X84= OR If the entry in column 1 is less than the entry in column 2, write "0" in column 3. If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20." If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3." +140= +280= OR TOTAL TOTAL OR ADDIT, FEE ADDIT. FEE The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1. FORM PTO-675 (Rev. 12/02) U.S. Government Printing Office: 2003-429-464/79011 Patern and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Application or Docket Number